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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 31.60 | 31.81 |

=> s paraoxonase
L8 6625 PARAOXONASE

=> s l8 and human
L9 4548 L8 AND HUMAN

=> s l9 and (variant or muta? or substitution)
L10 947 L9 AND (VARIANT OR MUTA? OR SUBSTITUTION)

=> s l8 (10a) human
L11 2115 L8 (10A) HUMAN

=> s l11(10a) (variant or muta? or substitution)
10 FILES SEARCHED...
L12 104 L11(10A) (VARIANT OR MUTA? OR SUBSTITUTION)

=> dup rem l12
PROCESSING COMPLETED FOR L12
L13 55 DUP REM L12 (49 DUPLICATES REMOVED)

=> s l8 (5a) human
L14 1896 L8 (5A) HUMAN

=> s l14(5a) (variant or muta? or substitution)

L15 78 L14(5A) (VARIANT OR MUTA? OR SUBSTITUTION)

=> dup rem l15

PROCESSING COMPLETED FOR L15

L16 42 DUP REM L15 (36 DUPLICATES REMOVED)

=> d 1-10

L16 ANSWER 1 OF 42 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2006:427530 SCISEARCH

GA The Genuine Article (R) Number: 0240W

TI Kinetic analysis of organophosphorus nerve agent hydrolysis by wildtype and mutant human paraoxonase 1

AU Yeung D (Reprint); Cerasoli D; Lenz D

CS USA, Med Res Inst Chem Def, Aberdeen Proving Ground, MD 21010 USA; Univ Maryland, Baltimore, MD 21201 USA

CYA USA

SO FASEB JOURNAL, (6 MAR 2006) Vol. 20, No. 4, Part 1, pp. A480-A480. ISSN: 0892-6638.

PB FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998 USA.

DT Conference; Journal

LA English

REC Reference Count: 0

ED Entered STN: 4 May 2006

Last Updated on STN: 4 May 2006

L16 ANSWER 2 OF 42 MEDLINE on STN

AN 2006259093 MEDLINE

DN PubMed ID: 16683402

TI Autopsy and postmortem examination case study on genetic risk factors for cardiac death: polymorphisms of endothelial nitric oxide synthase gene Glu298Asp variant and T-786C mutation, human paraoxonase 1 (PON1) gene and alpha2beta-adrenergic receptor gene.

AU Ameno Kiyoshi; Ameno Setsuko; Kinoshita Hiroshi; Jamal Mostofa; Wang

Weihsuan; Kumihashi Mitsuru; Uekita Ikuo; Ijiri Iwao

CS Department of Forensic Medicine, Faculty of Medicine, Kagawa University, Japan.. amenok@kms.ac.jp

SO Vojnosanitetski pregled. Military-medical and pharmaceutical review, (2006 Apr) Vol. 63, No. 4, pp. 357-61; discussion 362-3. Journal code: 21530700R. ISSN: 0042-8450.

CY Serbia and Montenegro

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200605

ED Entered STN: 11 May 2006

Last Updated on STN: 31 May 2006

Entered Medline: 30 May 2006

L16 ANSWER 3 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:902982 HCAPLUS

DN 143:242968

TI Identification of mutation of paraoxonase 1 locus associated with predisposition to lacunar strokes and small vessel occlusion, and diagnostic and drug screening use

IN Jannes, Jim; Hamilton-Bruce, Monica Anne; Koblar, Simon

PA The Queen Elizabeth Hospital Research Foundation Inc., Australia; Adelaide Research & Innovation Pty. Ltd.

SO PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2005078080 | A1 | 20050825 | WO 2005-AU218 | 20050218 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |

PRAI AU 2004-900790 A 20040218

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 42 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
DUPLICATE 1
AN 2005:508032 SCISEARCH
GA The Genuine Article (R) Number: 905ZS
TI Structure/function analyses of rationally designed **human** serum **paraoxonase** (HuPON1) **mutants**
AU Yeung D T (Reprint); Josse D; Lenz D E; Cerasoli D M
CS USA, Med Res Inst Chem Def, Aberdeen Proving Ground, MD 21010 USA; Univ Maryland, Baltimore, MD 21201 USA; Ctr Rech Serv Sante Armees, Dept Toxicol, F-38702 La Tronche, France
CYA USA; France
SO FASEB JOURNAL, (7 MAR 2005) Vol. 19, No. 5, Part 2, Supp. [S], pp. A1079-A1079.
ISSN: 0892-6638.
PB FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998 USA.
DT Conference; Journal
LA English
REC Reference Count: 0
ED Entered STN: 26 May 2005
Last Updated on STN: 1 Dec 2005

L16 ANSWER 5 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:237537 HCAPLUS
DN 143:91740
TI Allelic variants of the human scavenger receptor class B type 1 and paraoxonase 1 on coronary heart disease: genotype-phenotype correlations
AU Rodriguez-Esparragon, Francisco; Rodriguez-Perez, Jose C.; Hernandez-Trujillo, Yaride; Macias-Reyes, Antonio; Medina, Alfonso; Caballero, Araceli; Ferrario, Carlos M.
CS Research Unit, Nephrology and Cardiology Services, Hospital Universitario de Gran Canaria Dr. Negrin, Las Palmas de Gran Canaria, Spain
SO Arteriosclerosis, Thrombosis, and Vascular Biology (2005), 25(4), 854-860
CODEN: ATVBFA; ISSN: 1079-5642
PB Lippincott Williams & Wilkins
DT Journal
LA English
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1110220 HCAPLUS
DN 144:148032
TI Association of genes of lipid metabolism with measures of subclinical cardiovascular disease in the Diabetes Heart Study
AU Burdon, K. P.; Langefeld, C. D.; Beck, S. R.; Wagenknecht, L. E.; Carr, J. J.; Freedman, B. I.; Herrington, D.; Bowden, D. W.

CS Cent. for Human Genomics, Wake Forest Univ. Sch. of Med., Winston-Salem,
NC, 27157, USA
SO Journal of Medical Genetics (2005), 42(9), 720-724
CODEN: JMDGAE; ISSN: 0022-2593
PB BMJ Publishing Group
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 42 NTIS COPYRIGHT 2006 NTIS on STN
AN 2006(14):00902 NTIS Order Number: ADA443915/XAB
TI Structure/Function Analyses of **Human Serum Paraoxonase**
(HuPON1) **Mutants** Designed from a DFPase-Like Homology Model.
Journal article.
Reprint: Structure/Function Analyses of **Human Serum**
Paraoxonase (HuPON1) **Mutants** Designed from a
DFPase-Like Homology Model.
AU Yeung, D. T.; Josse, D.; Nicholson, J. D.; Khanal, A.; McAndrew, C. W.
CS Army Medical Research Inst. of Chemical Defense, Aberdeen Proving
Ground, MD. (075924000 396453)
NR ADA443915/XAB; USAMRICD-P04-019
12p; 23 Aug 2004
DT Report
CY United States
LA English
NTE Pub. in Biochimica et Biophysica Acta, v1702 p67-77, 2004. Prepared in
cooperation with Centre de Recherches du Service de Sante des Armees, La
Tronche, France, and with University of Delaware, Newark, DE. The
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OS GRA&I0614

L16 ANSWER 8 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2004:283014 BIOSIS
DN PREV200400283528
TI DNA molecule encoding a variant paraoxonase and uses thereof.
AU Salonen, Jukka T. [Inventor, Reprint Author]; Marchesani, Marja
[Inventor]; Tuomainen, Tomi-Pekka [Inventor]; Kaikkonen, Jari [Inventor]
CS Jannevirta, Finland
ASSIGNEE: Oy Jurilab Ltd., Kuopio, Finland
PI US 6740746 20040525
SO Official Gazette of the United States Patent and Trademark Office Patents,
(May 25 2004) Vol. 1282, No. 4. <http://www.uspto.gov/web/menu/patdata.html>
. e-file.
ISSN: 0098-1133 (ISSN print).
DT Patent
LA English
ED Entered STN: 9 Jun 2004
Last Updated on STN: 9 Jun 2004

L16 ANSWER 9 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:756890 HCAPLUS
DN 141:256526
TI Variants of mammalian paraoxonases with increased solubility in bacterial
expression hosts and near-normal kinetics and their selection,
preparation, and therapeutic use
IN Tawfik, Dan S.; Aharoni, Amir; Gaydukov, Leonid; Sussman, Joel L.; Silman,
Israel
PA Yeda Research and Development Co. Ltd., Israel
SO PCT Int. Appl., 240 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2004078991 | A2 | 20040916 | WO 2004-IL216 | 20040304 |
| | WO 2004078991 | A3 | 20060105 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | EP 1599598 | A2 | 20051130 | EP 2004-717208 | 20040304 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK | | | |
| PRAI | US 2003-451267P | P | 20030304 | | |
| | US 2003-512925P | P | 20031022 | | |
| | WO 2004-IL216 | W | 20040304 | | |

L16 ANSWER 10 OF 42 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
STN DUPLICATE 2
AN 2004:717190 SCISEARCH
GA The Genuine Article (R) Number: 823UP
TI Structure/function analyses of **human paraoxonase-1 mutants**
AU Yeung D (Reprint); Josse D; Kirby S; Duryea C; Lenz D; Cerasoli D
CS USA, Med Res Inst Chem Def, Aberdeen Proving Ground, MD 21010 USA; Serv
Sante Armees, Ctr Rech, Toulon, France
CYA USA; France
SO FASEB JOURNAL, (14 MAY 2004) Vol. 18, No. 8, Supp. [S], pp. C144-C144.
ISSN: 0892-6638.
PB FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998
USA.
DT Conference; Journal
LA English
REC Reference Count: 0
ED Entered STN: 3 Sep 2004
Last Updated on STN: 6 Oct 2005

=> d 11-20

L16 ANSWER 11 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:78314 HCAPLUS
DN 140:179620
TI Identification of paraoxonase 3 gene (PON3) missense mutations in a
population of southern Italy
AU Campo, Salvatore; Sardo, Adriana M.; Campo, Giuseppe M.; Avenoso, Angela;
Castaldo, Maria; D'Ascola, Angela; Giunta, Elena; Calatroni, Alberto;
Saitta, Antonino
CS School of Medicine, Dept. Biochem., Physiological and Nutritional
Sciences, University of Messina, Messina, 98125, Italy
SO Mutation Research (2004), 546(1-2), 75-80
CODEN: MUREAV; ISSN: 0027-5107
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L16 ANSWER 12 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on
STN
AN 2004:235651 BIOSIS
DN PREV200400236176
TI PON1 M/L55 mutation protects high-risk patients against coronary artery
disease.
AU Oliveira, Simone A.; Mansur, Antonio P. [Reprint Author]; Ribeiro,
Cristina C.; Ramires, Jose Antonio F.; Annichino-Bizzacchi, Joyce M.
CS Medical School, Heart Institute (InCor), University of Sao Paulo, Av. Dr.
Eneas Carvalho de Aguiar 44, CEP 05403-000, Sao Paulo, SP, Brazil
corantonio@incor.usp.br
SO International Journal of Cardiology, (March 2004) Vol. 94, No. 1, pp.
73-77. print.
CODEN: IJCDD5. ISSN: 0167-5273.
DT Article
LA English
ED Entered STN: 28 Apr 2004
Last Updated on STN: 28 Apr 2004
- L16 ANSWER 13 OF 42 MEDLINE on STN DUPLICATE 3
AN 2004482197 MEDLINE
DN PubMed ID: 15450851
TI Structure/function analyses of human serum paraoxonase
(HuPON1) mutants designed from a DFPase-like homology model.
AU Yeung David T; Josse Denis; Nicholson James D; Khanal Akhil; McAndrew
Christopher W; Bahnson Brian J; Lenz David E; Cerasoli Douglas M
CS Biochemical Pharmacology Branch, Pharmacology Division, US Army Medical
Research Institute of Chemical Defense, Aberdeen Proving Ground, MD
21010-5400, USA.
NC 5P20RR015588 (NCRR)
SO Biochimica et biophysica acta, (2004 Oct 1) Vol. 1702, No. 1, pp. 67-77.
Journal code: 0217513. ISSN: 0006-3002.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200411
ED Entered STN: 29 Sep 2004
Last Updated on STN: 2 Nov 2004
Entered Medline: 1 Nov 2004
- L16 ANSWER 14 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on
STN
AN 2003:292537 BIOSIS
DN PREV200300292537
TI New paraoxonase 1 polymorphism I102V and the risk of prostate cancer in
Finnish men.
AU Marchesani, Marja; Hakkarainen, Anna; Tuomainen, Tomi-Pekka; Kaikkonen,
Jari; Pukkala, Eero; Uimari, Pekka; Seppala, Eija; Matikainen, Mika;
Kallioniemi, Olli-P.; Schleutker, Johanna; Lehtimaki, Terho; Salonen,
Jukka T. [Reprint Author]
CS Research Institute of Public Health, University of Kuopio, 70211, Box
1627, Kuopio, Finland
jukka.salonen@uku.fi
SO Journal of the National Cancer Institute (Bethesda), (June 4 2003) Vol.
95, No. 11, pp. 812-818. print.
ISSN: 0027-8874 (ISSN print).
DT Article
LA English
ED Entered STN: 25 Jun 2003
Last Updated on STN: 25 Jun 2003
- L16 ANSWER 15 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on

STN

AN 2004:50093 BIOSIS
DN PREV200400049274
TI Paraoxonase 2 Ala148Gly mutation protects postmenopausal women from coronary artery disease.
AU Mansur, A. P. [Reprint Author]; Oliveira, S. A.; Avakian, S. D. [Reprint Author]; Cesar, L. A. M. [Reprint Author]; Ramires, J. A. F. [Reprint Author]; Annichino-Bizzacchi, J. M. [Reprint Author]
CS Medical School, Heart Institute (InCor), University of Sao Paulo, Sao Paulo, Brazil
SO European Heart Journal, (August-September 2003) Vol. 24, No. Abstract Supplement, pp. 433. print.
Meeting Info.: Congress of the European Society of Cardiology. Vienna, Austria. August 30-September 03, 2003. European Society of Cardiology. ISSN: 0195-668X (ISSN print).
DT Conference; (Meeting)
Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 21 Jan 2004
Last Updated on STN: 21 Jan 2004

L16 ANSWER 16 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:441718 HCAPLUS
DN 139:208516
TI Novel paraoxonase (PON1) nonsense and missense mutations predicted by functional genomic assay of PON1 status
AU Jarvik, Gail P.; Jampsa, Rachel; Richter, Rebecca J.; Carlson, Chris S.; Rieder, Mark J.; Nickerson, Deborah A.; Furlong, Clement E.
CS Departments of Medicine, The University of Washington, Seattle, WA, USA
SO Pharmacogenetics (2003), 13(5), 291-295
CODEN: PHMCEE; ISSN: 0960-314X
PB Lippincott Williams & Wilkins
DT Journal
LA English
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 17 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:335883 HCAPLUS
DN 141:409279
TI Association of paraoxonase 2 gene C311S variant with ischemic stroke in Chinese type 2 diabetes mellitus patients
AU Wang, Xiaoyi; Xue, Yaoming; Wen, Shujuan; Zhang, Ningling; Ji, Zhong; Pan, Suyue
CS Department of Endocrinology, General Military Hospital of Guangzhou, Guangzhou, Guangdong Province, 510010, Peop. Rep. China
SO Zhonghua Yixue Yichuanxue Zazhi (2003), 20(3), 215-219
CODEN: ZYXZER; ISSN: 1003-9406
PB Huaxi Yike Daxue
DT Journal
LA Chinese

L16 ANSWER 18 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:267887 HCAPLUS
DN 139:114895
TI R192Q paraoxonase gene variant is associated with a change in HDL-cholesterol level during dietary caloric restriction in nondiabetic healthy males
AU Obata, Tatsuo; Ito, Toshimitsu; Yonemura, Atsushi; Ayaori, Makoto; Nakamura, Haruo; Ohsuzu, Fumitaka
CS First Department of Internal Medicine, National Defense Medical College, Saitama, Japan
SO Journal of Atherosclerosis and Thrombosis (2003), 10(1), 57-62
CODEN: JATHEH; ISSN: 1340-3478

PB Japan Atherosclerosis Society
DT Journal
LA English

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 19 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:389535 HCAPLUS
DN 139:160476
TI Rapid genotyping of paraoxonase 55 and 192 mutations by melting point
analysis using real time PCR technology
AU Pocsai, Zsuzsa; Toth, Zsuzsa; Paragh, Gyorgy; Szeles, Gyorgy; Adany, Roza
CS Medical and Health Science Centre, School of Public Health, Department of
Preventive Medicine, University of Debrecen, Debrecen, H-4012, Hung.
SO Clinica Chimica Acta (2003), 332(1-2), 31-36
CODEN: CCATAR; ISSN: 0009-8981
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 20 OF 42 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
DUPLICATE 4
AN 2003-03188 BIOTECHDS
TI New genetic variants of human paraoxonase 1
(PON1) gene with polymorphisms, useful for treating disorders associated
with PON1 isogene activity e.g. atherosclerosis or diabetes, or for
screening drugs for treating these diseases;
vector-mediated recombinant protein gene transfer and expression in
host cell for use in drug screening and gene therapy
AU ANASTASIO A E; CHEW A; CHOI J Y; DENTON R R; NANDABALAN K; PARKS K E;
STEPHENS J C
PA GENAISSANCE PHARM INC
PI WO 2002066680 29 Aug 2002
AI WO 2001-US46896 6 Dec 2001
PRAI WO 2001-5126 16 Feb 2001; WO 2001-5126 16 Feb 2001
DT Patent
LA English
OS WPI: 2002-682769 [73]

=> d 21-30

L16 ANSWER 21 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:736050 HCAPLUS
DN 137:275023
TI Single nucleotide polymorphism (Ile101Val) in human paraoxonase gene
associated with diseases and diagnostic and therapeutic uses thereof
IN Salonen, Jukka T.; Marchesani, Marja; Tuomainen, Tomi-Pekka; Kaikkonen,
Jari
PA Oy Jurilab Ltd., Finland
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 2002074230 | A2 | 20020926 | WO 2002-FI231 | 20020320 |
| | WO 2002074230 | A3 | 20030403 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, | | | | |

PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,
 GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,
 GN, GQ, GW, ML, MR, NE, SN, TD, TG
 US 2003003453 A1 20030102 US 2001-811673 20010320
 US 6740746 B2 20040525
 EP 1370647 A2 20031217 EP 2002-708387 20020320
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 US 2004142349 A1 20040722 US 2003-691562 20031024
 PRAI US 2001-811673 A 20010320
 WO 2002-FI231 W 20020320

L16 ANSWER 22 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2002:579314 HCAPLUS
 DN 137:323441
 TI Relation between butyrylcholinesterase K variant, paraoxonase 1 (PON1) Q
 and R and apolipoprotein E ε4 genes in early-onset coronary artery
 disease
 AU Nassar, Bassam A.; Darvesh, Sultan; Bevin, Lisa D.; Rockwood, Kenneth;
 Kirkland, Susan A.; O'Neill, Blair J.; Bata, Iqbal R.; Johnstone, David
 E.; Title, Lawrence M.
 CS Department of Pathology, Dalhousie University, Halifax, NS, Can.
 SO Clinical Biochemistry (2002), 35(3), 205-209
 CODEN: CLBIAS; ISSN: 0009-9120
 PB Elsevier Science Inc.
 DT Journal
 LA English
 RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 23 OF 42 NTIS COPYRIGHT 2006 NTIS on STN
 AN 2001(16):02587 NTIS Order Number: ADA387204/XAB
 TI Expression of Recombinant Human Butyrylcholinesterase. Final rept. 22
 Sep 1997-21 Dec 2000.
 AU Lockridge, O.
 CS Nebraska Univ. Medical Center, Omaha. (034938000 417693)
 NR ADA387204/XAB
 315p; Jan 2001
 NC Contract(s): DAMD17-97-1-7349
 DT Report
 CY United States
 LA English
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L16 ANSWER 24 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on
 STN
 AN 2001:190409 BIOSIS
 DN PREV200100190409
 TI PON2 gene variants are associated with clinical manifestations of
 cardiovascular disease in familial hypercholesterolemia patients.
 AU Leus, Frank R. [Reprint author]; Zwart, Miriam; Kastelein, John J. P.;
 Voorbij, Hieronymus A. M.
 CS Department of Clinical Chemistry, University Hospital Utrecht,
 Heidelberglaan 100, Rm. G03.647, 3584 CX, Utrecht, Netherlands
 f.leus@jc.azu.nl

SO Atherosclerosis, (15 February, 2001) Vol. 154, No. 3, pp. 641-649. print.
CODEN: ATHSBL. ISSN: 0021-9150.
DT Article
LA English
ED Entered STN: 20 Apr 2001
Last Updated on STN: 18 Feb 2002

L16 ANSWER 25 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:406986 HCAPLUS
DN 135:193744
TI Relationship of age-related myocardial infarction risk and Gln/Arg 192
variants of the human paraoxonase-1 gene: the
REGICOR study
AU Senti, M.; Tomas, M.; Vila, J.; Marrugat, J.; Elosua, R.; Sala, J.; Masia,
R.
CS Institut Municipal d'Investigacio Medica, Lipids and Cardiovascular
Epidemiology Unit, IMIM and Universitat Pompeu Fabra, Barcelona, E-08003,
Spain
SO Atherosclerosis (Shannon, Ireland) (2001), 156(2), 443-449
CODEN: ATHSBL; ISSN: 0021-9150
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 26 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:417670 HCAPLUS
DN 135:135684
TI Polymorphism of apoprotein E (APOE), methylenetetrahydrofolate reductase
(MTHFR) and paraoxonase (PON1) genes in patients with cerebrovascular
disease
AU Topic, Elizabeta; Simundic, Ana Maria; Stefanovic, Mario; Demarin, Vida;
Vukovic, Vlasta; Lovrencic-Huzjan, Arijana; Zuntar, Irena
CS Clinical Institute of Chemistry, School of Medicine, University of Zagreb
and Sestre milosrdnice University Hospital, Zagreb, Zagreb, Croatia
SO Clinical Chemistry and Laboratory Medicine (2001), 39(4), 346-350
CODEN: CCLMFV; ISSN: 1434-6621
PB Walter de Gruyter GmbH & Co. KG
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 27 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on
STN
AN 2002:288744 BIOSIS
DN PREV200200288744
TI A new polymorphism in the PON1 gene predicts cardiovascular deaths: A
prospective population-based study.
AU Salonen, Jukka T. T. [Reprint author]; Marchesani, Maria; Tuomainen,
Tomi-Pekka; Hakkarainen, Anna O.; Kaikkonen, Jari
CS Research Inst of Public Health, Univ of Kuopio, Kuopio, Finland
SO Circulation, (October 23, 2001) Vol. 104, No. 17 Supplement, pp. II.808.
print.
Meeting Info.: Scientific Sessions 2001 of the American Heart Association.
Anaheim, California, USA. November 11-14, 2001. American Heart
Association.
CODEN: CIRCAZ. ISSN: 0009-7322.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 15 May 2002
Last Updated on STN: 15 May 2002

L16 ANSWER 28 OF 42 MEDLINE on STN DUPLICATE 5
 AN 2000290007 MEDLINE
 DN PubMed ID: 10831161
 TI Differential effects of smoking on myocardial infarction risk according to the Gln/Arg 192 variants of the human paraoxonase gene.
 AU Senti M; Aubo C; Tomas M
 CS Lipids and Cardiovascular Epidemiology Unit, Institut Municipal d'Investigacio Medica, Barcelona, Spain.
 SO Metabolism: clinical and experimental, (2000 May) Vol. 49, No. 5, pp. 557-9.
 Journal code: 0375267. ISSN: 0026-0495.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200006
 ED Entered STN: 16 Jun 2000
 Last Updated on STN: 16 Jun 2000
 Entered Medline: 8 Jun 2000

L16 ANSWER 29 OF 42 MEDLINE on STN DUPLICATE 6
 AN 2000189855 MEDLINE
 DN PubMed ID: 10723110
 TI Effect of physical activity on lipid levels in a population-based sample of men with and without the Arg192 variant of the human paraoxonase gene.
 AU Senti M; Aubo C; Elosua R; Sala J; Tomas M; Marrugat J
 CS Unitat de Lipids i Epidemiologia Cardiovascular, Institut Municipal d'Investigacio Medica, IMIM, Barcelona, Spain.. msenti@imim.es
 SO Genetic epidemiology, (2000 Mar) Vol. 18, No. 3, pp. 276-86.
 Journal code: 8411723. ISSN: 0741-0395.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200005
 ED Entered STN: 18 May 2000
 Last Updated on STN: 18 May 2000
 Entered Medline: 10 May 2000

L16 ANSWER 30 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AN 2000:175266 BIOSIS
 DN PREV200000175266
 TI Common paraoxonase gene variants, mortality risk and fatal cardiovascular events in elderly subjects.
 AU Heijmans, Bastiaan T.; Westendorp, Rudi G. J.; Lagaay, A. Margot; Knook, Dick L.; Kluft, Cornelis; Slagboom, P. Eline [Reprint author]
 CS Gaubius Laboratory, TNO Prevention and Health, Zernikedreef 9, 2333 CK, Leiden, Netherlands
 SO Atherosclerosis, (March, 2000) Vol. 149, No. 1, pp. 91-97. print.
 CODEN: ATHSBL. ISSN: 0021-9150.
 DT Article
 LA English
 ED Entered STN: 3 May 2000
 Last Updated on STN: 4 Jan 2002

=> d 31-40

L16 ANSWER 31 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AN 2001:151271 BIOSIS
 DN PREV200100151271

TI Design of **human paraoxonase (PON1) mutants**
that are stable and soluble without amphiphilic additives.
Original Title: Ingenierie de la paraoxonase humaine (PON1): Conception et
construction de mutants solubles en l'absence de molecules amphiphiles.
AU Borges, F. [Reprint author]; Viguié, N. [Reprint author]; Nachon, F.
[Reprint author]; Josse, D. [Reprint author]; Masson, P. [Reprint author]
CS C.R.S.S.A., La Tronche, Grenoble, France
SO Travaux Scientifiques des Chercheurs du Service de Sante des Armees,
(2000) No. 21, pp. 37-38. print.
ISSN: 0243-7473.
DT Article
LA French
ED Entered STN: 28 Mar 2001
Last Updated on STN: 15 Feb 2002

L16 ANSWER 32 OF 42 MEDLINE on STN DUPLICATE 7
AN 2000097604 MEDLINE
DN PubMed ID: 10634138
TI **Mutations in the human paraoxonase 1 gene:**
frequencies, allelic linkages, and association with coronary artery
disease.
AU Cascorbi I; Laule M; Mrozikiewicz P M; Mrozikiewicz A; Andel C; Baumann G;
Roots I; Stangl K
CS Institute of Clinical Pharmacology, University Clinic Charite, Humboldt
University, Berlin, Germany.. ingolf.cascorbi@charite.de
SO Pharmacogenetics, (1999 Dec) Vol. 9, No. 6, pp. 755-61.
Journal code: 9211735. ISSN: 0960-314X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200001
ED Entered STN: 9 Feb 2000
Last Updated on STN: 9 Feb 2000
Entered Medline: 28 Jan 2000

L16 ANSWER 33 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on
STN
AN 1999:471499 BIOSIS
DN PREV199900471499
TI **Mutations in the human paraoxonase gene:**
Frequencies, allelic linkages and association with coronary artery
disease.
AU Stangl, K. [Reprint author]; Cascorbi, I.; Laule, M. [Reprint author];
Stangl, V. [Reprint author]; Baumann, G. [Reprint author]; Roots, I.
CS Med. Klinik, Kardiologie, Charite, Humboldt Universitaet, Campus Mitte,
Berlin, Germany
SO European Heart Journal, (Aug., 1999) Vol. 20, No. ABSTR. SUPPL., pp. 178.
print.
Meeting Info.: XXIst Congress of the European Society of Cardiology.
Barcelona, Spain. August 28-September 1, 1999. European Society of
Cardiology.
CODEN: EHJODF. ISSN: 0195-668X.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 9 Nov 1999
Last Updated on STN: 9 Nov 1999

L16 ANSWER 34 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:384202 HCAPLUS
DN 131:180577
TI **Paraoxonase 1 Mutations in a Turkish Population**
AU Aynacioglu, A. Sukru; Cascorbi, Ingolf; Mrozikiewicz, Przemyslaw M.;

Nacak, Muradiye; Tapanyigit, E. Ebru; Roots, Ivar
CS Institute of Clinical Pharmacology, University Clinic Charite, Humboldt
University, Berlin, Germany
SO Toxicology and Applied Pharmacology (1999), 157(3), 174-177
CODEN: TXAPA9; ISSN: 0041-008X
PB Academic Press
DT Journal
LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 35 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:440131 HCAPLUS
DN 129:160149
TI A variant of paraoxonase (PON1) gene is associated with diabetic
retinopathy in IDDM
AU Kao, Yan-Lin; Donaghue, Kim; Chan, Albert; Knight, John; Silink, Martin
CS Ray Williams Institute of Paediatric Endocrinology, Diabetes and
Metabolism, The Royal Alexandra Hospital for Children, Westmead, 2145,
Australia
SO Journal of Clinical Endocrinology and Metabolism (1998), 83(7), 2589-2592
CODEN: JCEMAZ; ISSN: 0021-972X
PB Endocrine Society
DT Journal
LA English

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 36 OF 42 MEDLINE on STN DUPLICATE 8
AN 1998335936 MEDLINE
DN PubMed ID: 9672215
TI Molecular **variant** of the **human paraoxonase**
/arylesterase gene is associated with central retinal vein occlusion in
the Japanese population.
AU Murata M; Nakagawa M; Takahashi S
CS Department of Ophthalmology, Yamagata University School of Medicine,
Japan.
SO Ophthalmologica. Journal international d'ophtalmologie. International
journal of ophthalmology. Zeitschrift fur Augenheilkunde, (1998) Vol. 212,
No. 4, pp. 257-9.
Journal code: 0054655. ISSN: 0030-3755.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199809
ED Entered STN: 6 Oct 1998
Last Updated on STN: 6 Oct 1998
Entered Medline: 21 Sep 1998

L16 ANSWER 37 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:164903 HCAPLUS
DN 128:307033
TI The codon 55 polymorphism in the paraoxonase 1 gene is not associated with
the risk of coronary heart disease in Asian Indians and Chinese
AU Sanghera, Dharambir K.; Saha, Nilmani; Kamboh, M. Ilyas
CS 130 DeSoto Street, Graduate School of Public Health, Department of Human
Genetics, University of Pittsburgh, Pittsburgh, PA, 15261, USA
SO Atherosclerosis (Shannon, Ireland) (1998), 136(2), 217-223
CODEN: ATHSBL; ISSN: 0021-9150
PB Elsevier Science Ireland Ltd.
DT Journal
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 38 OF 42 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1997:512560 HCAPLUS
 DN 127:118118
 TI Genetic mapping and gene structure of mouse paraoxonase/arylesterase and site-directed **mutagenesis** of **human paraoxonase** /arylesterase
 AU Sorenson, Robert Christian
 CS Univ. of Michigan, Ann Arbor, MI, USA
 SO (1997) 152 pp. Avail.: UMI, Order No. DA9722097
 From: Diss. Abstr. Int., B 1997, 58(2), 520
 DT Dissertation
 LA English

L16 ANSWER 39 OF 42 MEDLINE on STN DUPLICATE 9
 AN 1998099852 MEDLINE
 DN PubMed ID: 9437206
 TI A 192Arg **variant** of the **human paraoxonase** (HUMPONA) gene polymorphism is associated with an increased risk for coronary artery disease in the Japanese.
 AU Zama T; Murata M; Matsubara Y; Kawano K; Aoki N; Yoshino H; Watanabe G; Ishikawa K; Ikeda Y
 CS Department of Medicine, School of Medicine, Keio University, Tokyo, Japan.
 SO Arteriosclerosis, thrombosis, and vascular biology, (1997 Dec) Vol. 17, No. 12, pp. 3565-9.
 Journal code: 9505803. ISSN: 1079-5642.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199802
 ED Entered STN: 17 Feb 1998
 Last Updated on STN: 17 Feb 1998
 Entered Medline: 3 Feb 1998

L16 ANSWER 40 OF 42 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AN 1997:626141 SCISEARCH
 GA The Genuine Article (R) Number: XE898
 TI An (192)Arg **variant** of the **human paraoxonase** (HUMPONA) gene polymorphisms is associated for with the increased risk for coronary artery disease in the Japanese
 AU Zama T (Reprint); Murata M; Matsubara Y; Kawano K; Aoki N; Yoshino H; Watanabe G; Ishikawa K; Ikeda Y
 CS KEIO UNIV, SCH MED, DEPT MED, TOKYO 160, JAPAN; KYORIN UNIV, DEPT MED 2, TOKYO, JAPAN; HIBIYA MED CTR, SAKURA BANK, TOKYO, JAPAN
 CYA JAPAN
 SO THROMBOSIS AND HAEMOSTASIS, (JUN 1997) Supp. [S], pp. P2129-P2129. ISSN: 0340-6245.
 PB F K SCHATTAUER VERLAG GMBH, P O BOX 10 45 45, LENZHALDE 3, D-70040 STUTTGART, GERMANY.
 DT Conference; Journal
 FS LIFE
 LA English
 REC Reference Count: 0
 ED Entered STN: 1997
 Last Updated on STN: 1997

=> d 41,42

L16 ANSWER 41 OF 42 MEDLINE on STN DUPLICATE 10
 AN 96292331 MEDLINE
 DN PubMed ID: 8675673
 TI A **variant** of **human paraoxonase**/arylesterase

(HUMPONA) gene is a risk factor for coronary artery disease.
AU Serrato M; Marian A J
CS Division of Cardiology, Department of Medicine, Baylor College of
Medicine, Houston, Texas 77030, USA.
SO The Journal of clinical investigation, (1995 Dec) Vol. 96, No. 6, pp.
3005-8.
Journal code: 7802877. ISSN: 0021-9738.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199608
ED Entered STN: 22 Aug 1996
Last Updated on STN: 22 Aug 1996
Entered Medline: 13 Aug 1996

L16 ANSWER 42 OF 42 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on
STN DUPLICATE 11
AN 1992:152692 SCISEARCH
GA The Genuine Article (R) Number: HG719
TI A POINT MUTATION APPEARS TO ACCOUNT FOR THE HUMAN
SERUM PARAOXONASE ARYLESTERASE POLYMORPHISM
AU ADKINS S (Reprint); GAN K; MODY M; LADU B
CS UNIV MICHIGAN, SCH PUBL HLTH, DEPT ENVIRONM & IND HLTH, ANN ARBOR, MI
48109; UNIV MICHIGAN, SCH MED, DEPT PHARMACOL, ANN ARBOR, MI 48109; UNIV
MICHIGAN, SCH MED, DEPT ANESTHESIOLOG, ANN ARBOR, MI 48109
CYA USA
SO FASEB JOURNAL, (26 FEB 1992) Vol. 6, No. 4, Part 1, pp. A1582-A1582.
ISSN: 0892-6638.
PB FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD
20814-3998.
DT Conference; Journal
FS LIFE
LA English
REC Reference Count: 2
ED Entered STN: 1994
Last Updated on STN: 1994

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L1 108 S RENILLA (5A) (AEQUOREA OR VICTORIA)
L2 27 S L1 (5A) (FUSION OR LINKER OR MODULATOR)
L3 5 DUP REM L2 (22 DUPLICATES REMOVED)
L4 13181 S JOLY, ?/AU
L5 0 S L1 AND L4
L6 8 S L4 AND LUCIFERASE AND GFP
L7 4 DUP REM L6 (4 DUPLICATES REMOVED)
L8 6625 S PARAOXONASE
L9 4548 S L8 AND HUMAN
L10 947 S L9 AND (VARIANT OR MUTA? OR SUBSTITUTION)
L11 2115 S L8 (10A) HUMAN
L12 104 S L11(10A) (VARIANT OR MUTA? OR SUBSTITUTION)
L13 55 DUP REM L12 (49 DUPLICATES REMOVED)
L14 1896 S L8 (5A) HUMAN
L15 78 S L14(5A) (VARIANT OR MUTA? OR SUBSTITUTION)
L16 42 DUP REM L15 (36 DUPLICATES REMOVED)

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